

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/000052

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C03B37/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                            | Relevant to claim No. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | US 3 345 147 A (RUSSELL ROBERT G)<br>3 October 1967 (1967-10-03)<br>cited in the application<br>column 3, lines 43-47; figure 5<br>column 6, line 15<br>column 7, line 68<br>column 6, lines 18,19<br>column 7, lines 19-25<br>column 7, lines 39-43<br>column 6, lines 24-26 | 1-7, 9-13             |
| X          | US 4 214 884 A (MARTIN WALTER L JR)<br>29 July 1980 (1980-07-29)<br>cited in the application<br>column 2, lines 49-54; claim 1                                                                                                                                                | 1-5                   |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the International search

14 May 2004

Date of mailing of the International search report

26/05/2004

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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| US 3345147                                | A | 03-10-1967          | US 3150946 A               | 29-09-1964          |
|                                           |   |                     | BE 707827 A                | 16-04-1968          |
|                                           |   |                     | DE 1186976 B               | 11-02-1965          |
|                                           |   |                     | FR 1313378 A               | 28-12-1962          |
|                                           |   |                     | GB 978688 A                | 23-12-1964          |
|                                           |   |                     | NL 122882 C                |                     |
|                                           |   |                     | NL 272846 A                |                     |
| US 4214884                                | A | 29-07-1980          | US 4310602 A               | 12-01-1982          |